Performance Data Sheet

AHA4518AXD

General Information

Model	AHA4518AXD	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	13600	13700	13100	11900	10500	9090	7830
	Watts	1490	1550	1580	1590	1600	1600	1600
	Amps							
	Lb/h	97.2	156	186	193	184	167	148
25	Btu/h	14700	15000	14600	13600	12200	10800	9410
	Watts	1530	1610	1670	1710	1730	1740	1760
	Amps							
	Lb/h	119	182	214	222	215	198	178
30	Btu/h	15700	16300	16100	15300	14000	12500	11000
	Watts	1550	1670	1750	1810	1850	1880	1900
	Amps							
	Lb/h	142	207	242	253	246	229	210
35	Btu/h	16800	17700	17700	17000	15800	14300	12700
	Watts	1560	1720	1830	1910	1960	2000	2040
	Amps							
	Lb/h	165	234	271	283	278	262	242
40	Btu/h	17900	19200	19400	18800	17700	16100	14400
	Watts	1570	1750	1890	1990	2060	2120	2160
	Amps							
	Lb/h	188	261	301	315	311	295	275
45	Btu/h	19100	20700	21100	20700	19600	18000	16300
	Watts	1550	1770	1930	2060	2150	2220	2270
	Amps							
	Lb/h	213	289	331	348	345	330	309
50	Btu/h	20400	22300	23000	22700	21600	20100	18200
	Watts	1520	1770	1960	2110	2220	2310	2370
	Amps							
	Lb/h	238	318	363	382	380	366	345
55	Btu/h	21800	24000	24900	24800	23800	22200	20300
	Watts	1480	1750	1980	2150	2280	2380	2450
	Amps							
	Lb/h	265	348	397	417	417	403	382

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-2.163329E+04	5.100568E+02	0.000000E+00	-2.153357E+03
C2	-8.077003E+02	-6.587301E+01	0.000000E+00	-5.271341E+00
C3	1.093666E+03	3.307658E+01	0.000000E+00	5.516601E+01
C4	-1.817906E+00	-7.873386E-02	0.000000E+00	-2.798317E-02
C5	1.944768E+01	1.315895E+00	0.000000E+00	1.849228E-01
C6	-1.173877E+01	-3.969353E-01	0.000000E+00	-4.446109E-01
C7	2.500099E-02	-2.083398E-03	0.000000E+00	2.916720E-04
C8	4.285292E-03	4.999296E-04	0.000000E+00	1.357179E-04
C9	-8.068154E-02	-4.284105E-03	0.000000E+00	-7.431831E-04
C10	3.645864E-02	1.302094E-03	0.000000E+00	1.156243E-03

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature